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   Soggetti   Operations research
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                       Calculus of variations
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   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   1. Mathematical Preliminaries -- 2. Introduction of OR -- 3. Revised
                       Simplex Method -- 4. Dual Simplex Method -- 5. Bounded Variable
                       Technique -- 6. Post-Optimality Analysis in Linear Programming
                       Problem -- 7. Integer Programming -- 8. Convex Function -- 9. Basics
                       of Unconstrained Optimization. 10. Constrained Optimization with
                       Equality Constraints -- 11. Constrained Optimization with Inequality
                       Constraints -- 12. Quadratic Programming -- 13. Inventory Control
                       Theory -- 14. Project Management -- 15. Queueing Theory -- 16. Flow
                       in Networks -- 17. Theory of Game.

   Sommario/riassunto This textbook provides students with fundamentals and advanced
                       concepts in optimization and operations research. It gives an overview
                       of the historical perspective of operations research and explains its
                       principal characteristics, tools, and applications. The wide range of

topics covered includes convex and concave functions, simplex methods, post optimality analysis of linear programming problems, constrained and unconstrained optimization, game theory, queueing theory, and related topics. The text also elaborates on project management, including the importance of critical path analysis, PERT and CPM techniques. This textbook is ideal for any discipline with one or more courses in optimization and operations research; it may also provide a solid reference for researchers and practitioners in operations research.